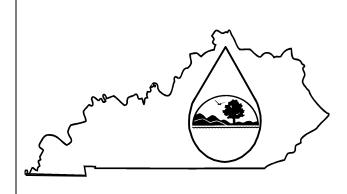
KPDES FORM SC

NAME OF FACILITY:



KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT APPLICATION

A complete application consists of this form and Form 1. For additional information, contact: KPDES Branch, (502) 564-3410.

I. FACILITY DISCHARGE FREQUENCY						GENCY USE							
A. Do discharge(s) (Complete Item			No 🗌										
B. How many days	per week?												
II. A. Give the basi	s of design fo	r sizing of the	wastewater fa	cility (se	ee instr	uctions):							
B. If new discharge	er, indicate ant	ticipated disch	arge date:										
B. If new discharger, indicate anticipated discharge date: C. Indicate the design capacity of the treatment system:						MGl)						
III. Outfall Locat	-		,										
Outfall	(8.0.0 20000	LATITUDE			LONGITUDE								
				onds Degrees Minutes Seconds							/		
(list)	Degrees	Minutes	Seconds	Degre	ees	Minutes	Se	conds	RI	ECEIV	ING W	ATER	(name)
(list)	Degrees	Minutes	Seconds	Degre	ees	Minutes	Se	conds	RI	ECEIV	ING W	ATER	(name)
(list)	Degrees	Minutes	Seconds	Degre	ees	Minutes	Se	conds	RI	ECEIV	ING W	ATER	(name)
(list)	Degrees	Minutes	Seconds	Degre	ees	Minutes	Se	conds	RI	ECEIV	ING W	ATER_	(name)
(list)	Degrees	Minutes	Seconds	Degre	ees	Minutes	Se	conds	RI	ECEIV	ING W	ATER	(name)
(list)	Degrees	Minutes	Seconds	Degre	ees	Minutes	Se	conds	RI	ECEIV	ING W	/ATER	(name)
(list)	Degrees	Minutes	Seconds	Degre	ees	Minutes	Se	conds	RI	ECEIV	ING W	/ATER	(name)
(list)	Degrees	Minutes	Seconds	Degre	ees	Minutes	Se	conds	RI	ECEIV	ING W	/ATER	(name)
Method used to obt	tain latitude/lo	ongitude		Degre	ees	Minutes	Se	conds	RI	ECEIV	ING W	/ATER	(name)

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OUTFALL NO.	OPERATION(S) CONTRIE	BUTING FLOW	TREATMENT					
(list)	Operation (list)	Avg/Design Flow (include units)	List treatment components	List Codes from Table SC-1				
}								
	used at facility (except for huma	Other (list): n consumption) flow to a] No				
VII. Discharge to o	ther than surface waters. Check	appropriate location:						
Publicly	y-owned lake or impoundment	Name of lake:						
Publicly	y-owned treatment works (POTW).	. Name of POTW:						
Land ap	oplication of Effluent							
		v on man) 🗌 lateral field	; ☐ sinkhole; ☐ sinking stream;	deep well				
Surface	injection (Check term and identify	y on map) \square fateral field						
	e injection (Check term and identify Circuit (Check appropriate term)	• —	chanical evaporation; Waste in	npoundment				
Closed	•	☐ Holding tank; ☐ Med	<u> </u>	•				
Closed	Circuit (Check appropriate term) tals present in the discharge if ap	Holding tank; Med pplicable and indicate the Copper	e quantity discharged per year.	(Indicate units).				
Closed	Circuit (Check appropriate term) tals present in the discharge if ap	Holding tank; Med	e quantity discharged per year.	(Indicate units).				

IX. INTERMITTENT DISCHARGES (C	Complete this					
A. Number of bypass points:	(If bypass points are indicated, information below must be completed for each bypass.)					
Check when bypass occurs:	☐ Wet W	eather	Dry Weather			
Give the number of bypass incidents		per year		per year		
Give average duration of bypass			hours	hours		
Give average volume per incident			1,000 gallons	1,000 gallons		
Give reason why bypass occurs:						
B. Number of Overflow Points: (If check when overflow occurs:	discharge is f	rom an overfl Wet We	1	mation below must be completed.) Dry Weather		
Give the number of overflow incidents:			per year	per year		
Give average duration of overflow:	hours		hours			
Give average volume per incident:	1,000 gallons		1,000 gallons			
Give average volume per metdent.	<u> </u>		1,000 ganons	1,000 ganons		
C. Number of seasonal discharge points						
Give the number of times discharge occur	rs per year					
Give the average volume per discharge of	ccurrence	(1,000 gallons)				
Give the average duration of each dischar	(days)					
List month(s) when the discharge occurs						
X. AREA SERVED (see instructions)						
NAME			ACTUA	AL POPULATION SERVED		
TOTAL POPU	ULATION S	ERVED				

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(PLEASE COMPLETE THIS PAGE IF OTHER THAN DOMESTIC WASTEWATER IS DISCHARGED)

Additive	Composit	ion	Concentration (mg/l)			
VII EEEI HENIT CHADACTEDIS	TICS					
A. Indicate results of analysis for p	pollutants listed below.					
POLLUTANT/PARAMETER	MAX DAILY VALUE	AVG DAILY VALU	UE NUMBER OF SAMPLES			
BOD ₅						
TOTAL SUSPENDED SOLIDS						
FECAL COLIFORM						
TOTAL RESIDUAL CHLORINE						
OIL AND GREASE						
CHEMICAL OXYGEN DEMAND						
TOTAL ORGANIC CARBON						
AMMONIA						
DISCHARGE FLOW						
рΗ						
TEMPERATURE (WINTER)						
TEMPERATURE (SUMMER)						
B. Frequency and duration of flow:						
XIII. CERTIFICATION						
I certify under penalty of law that this with a system designed to assure that of						
of the person or persons who manage	the system, or those persons dire	ectly responsible for gath	ering the information, the informatio			
submitted is, to the best of my knowle submitting false information, including						
NAME AND OFFICIAL TITLE (type	e or print):	TELEPHONE NU	MBER (area code and number):			
SIGNATURE		DATE				

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM SHORT FORM C -- INSTRUCTIONS

Listed below are explanations of select Short Form C questions. If further information is needed concerning any question, please contact the Division of Water, KPDES Branch at (502) 564-3410.

I. WHO MUST APPLY

This application is to be completed by services, wholesale and retail trade establishments, and other commercial establishments including subdivisions and schools that propose construction or operation of a wastewater treatment facility or expansion and/or upgrading of an existing treatment plant.

A. Indicate if discharge(s) occur all year. Complete Item IX for any intermittent discharges.

II. BASIS OF DESIGN FOR SIZING THE WASTEWATER TREATMENT FACILITY

- A. Give the basis of design for sizing the wastewater treatment facility. Indicate the **actual** number of population served, **actual** number of students for schools, square feet of space, etc. used in determining the size of the wastewater treatment plant.
- B. If application is being submitted by new discharger, indicate date of expected commencement of discharge.
- C. Indicate the design capacity of the treatment system in million gallons per day (mgd).

III. OUTFALL LOCATION

For each outfall listed, list the latitude and longitude of its location to the nearest 15 seconds and list the name of the receiving water. Latitude and Longitude readings should be taken at the last point prior to discharge to receiving water. The method used to obtain latitude and longitude should be listed also (i.e. GPS unit, USGS topographic map coordinates, etc).

IV. FLOWS, SOURCES OF POLLUTION AND TREATMENT TECHNOLOGIES

For each outfall provide: (1) a description of all operations contributing wastewater to the effluent, including sanitary wastewater and storm water runoff; (2) the average and design flows contributed by each operation; and (3) the treatment received by the wastewater.

Operations may be described in general terms for storm water. You may use any reasonable measure of duration, volume, or frequency. For each treatment unit, indicate its size, flow rate, and retention time, and describe the ultimate disposal of any solid or liquid wastes not discharged. Treatment units should be listed in order of occurrence and you should select the proper code from Table SC-1 and fill in column 3-b for each treatment unit. Insert "XX" into column 3-b if no code corresponds to a treatment unit you list.

If you are applying for a permit for a privately-owned treatment works, you must also identify all of your contributors in an attached listing.

- **V.** Check the type(s) of wastewater being discharged.
- VI. Indicate whether all water used at the facility (except for human consumption) flows to a treatment plant.
- **VII.** Indicate discharge(s) to other than surface waters.

IX. Intermittent Discharges

Indicate the number of bypasses, overflows, and controlled releases that result in point discharges. Items A-C (as appropriate) must be completed for each intermittent discharge indicated.

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X. For each area served by the wastewater treatment plant, enter the actual population served at the time of application.

- **XI.** List any cooling water additives (if applicable), their composition, and approximate concentration.
 - A. List quantitative data for the pollutants or parameters listed. The data may be collected over the past 365 days if they remain representative of current operations. Applicant must collect and analyze samples in accordance with 40 CFR Part 136. Grab samples must be used for pH, temperature, oil and grease, total residual chlorine, and fecal coliform. For all other pollutants, 24-hour composite samples must be used.

New dischargers should include estimates for the pollutants or parameters listed instead of actual sampling data, along with source of each estimate. All levels must be reported or estimated as concentration and as total mass, except for flow, pH and temperature.

B. Describe the frequency of flow and duration of any intermittent discharge (except for storm water runoff, leaks, or spills).

XII. EFFLUENT CHARACTERISTICS

This part must be completed by all applicants for all non-sanitary outfalls, including outfalls containing only noncontact cooling water or storm water runoff. However, at your request, the Division of Water may waive the requirements to test for one or more of these pollutants based upon a determination that testing for the pollutant(s) is not appropriate for your effluent(s).

XIII. CERTIFICATION

The certification is to be signed as follows:

Corporation: by a principal officer of at least the level of vice president.

Partnership or sole proprietorship: by a general partner or the proprietor, respectively.

Municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official

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TABLE SC-1 CODES FOR TREATMENT UNITS (For use with Short Form C, Item IV)

PHYSICAL TREATMENT PROCESSES

1-A	Ammonia Stripping	1-N	. Microstraining (Microscreening)						
1-B		1-0							
	Diatomaceous Earth Filtration		. Moving Bed Filters						
1-D		1-Q							
1-E			.Rapid Sand Filtration						
1-F			.Reverse Osmosis (Hyperfiltration)						
1-G	Flocculation	1-T							
1-H			.Sedimentation (Settling)						
1-I	Foam Fractionation		.Slow Sand Filtration						
1-J			.Solvent Extraction						
	Gas-Phase Separation	1-X							
	Grinding (Comminutors)	1-Y	-						
1-M			.Intermittent Sand Filters						
	CHEMICAL TREATME								
	Carbon Adsorption		.Disinfection (Other)						
	Chemical Oxidation		.Electrochemical Treatment						
	Chemical Precipitation	2-J							
2-D		2-K							
2-E		2-L							
	Disinfection (Chlorine)	2-M							
2-G	Disinfection (Ozone)	2-N	.Chemical Hydrolysis						
	BIOLOGICAL TREATMENT PROCESS								
	Activated Sludge		.Biological Hydrolysis						
3-B	Aerated Lagoons	3-L	.Post Aeration						
	Anaerobic Treatment		.Treatment by Plain Aeration						
	Nitrification-Denitrification	3-N	. Holding or Detention Pond						
3-E	Pre-Aeration	3-P	.1-Cell Lagoon						
	Spray Irrigation/Land Application	3-Q							
3-G	Stabilization Ponds	3-R							
	Trickling Filtration	3-S	.4-Cell Lagoon						
3-I	Rotating Biological Contractors	3-T	.Septic Tanks						
3-J	Polishing Lagoons								
	OTHER PROC	CESSES							
4-A	Discharge to Surface Water		.Reuse or Sale of Wastewater						
	Ocean Discharge Through Outfall		.Temperature Control						
	Reuse/Recycle of Treated Effluent		.Eutectic Freezing						
	Underground Injection		.Grease Removal						
SLUDGE TREATMENT AND DISPOSAL PROCESSES									
5-A	Aerobic Digestion	5-M							
	Anaerobic Digestion	5-N							
5-C	•	5-0							
5-D			.Land Application (Sludge)						
	Chemical Conditioning	5-Q							
	Chlorine Treatment		Pressure Filtration						
5-G		5-S							
5-H	± •	5-T							
5-I		5-U	. Vacuum Filtration						
	Flotation Thickening	5-V							
	Freezing (Sludge Treatment)	5-W							
	Gravity Thickening								
	·J · · · · · · · · · · · · · · · · · ·								